

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/04674

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ A24D3/04, A24D3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A24D3/00-3/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 53-124698 A (F.J.Buruls and Co.), 31 October, 1978 (31.10.78), & US 4281591 A & CH 621468 A	1-4, 6-7, 10-14, 16-17, 20 5, 8, 9, 15, 18, 19
Y		
X	JP 53-133699 A (Liggett Group Inc.), 21 November, 1978 (21.11.78), & US 4174720 A	1, 11 5, 8, 15, 18
X	JP 40-25880 B (Eastman Kodak Co.), 10 November, 1965 (10.11.65), Fig. 2 (Family: none)	1, 9, 11, 19

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search
11 June, 2002 (11.06.02)

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25 June, 2002 (25.06.02)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 53-75399 A (Acumeter Laboratories, Inc.), 04 July, 1978 (04.07.78), & US 4090520 A	5, 15
X	JP 53-124699 A (F.J.Buruls and Co.), 31 October, 1978 (31.10.78), & US 4303080 A & CH 618589 A	1-4, 6-7, 10-14, 16-17, 20 5, 8, 9, 15, 18, 19
Y		
A	JP 4-281779 A (Philip Morris Products, Inc.), 07 October, 1992 (07.10.92), Fig. 4 & US 5178166 A & EP 476969 A	1, 11